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AMENDMENT TO THE CLAIMS

Claim 1 (currently amended): A composite matrix comprising a first layer and a second layer, each layer having a flexibility modifying agent, the first layer having at least about 5 dry weight percent flexibility modifying agent and a second layer having at least about 5 dry weight percent less flexibility modifying agent than the first layer, wherein at least one layer comprises a reconstituted composition, and wherein the flexibility modifying agent comprises an elastic protein.

Claim 2 (original): The composite matrix of claim 1 wherein the second layer has at least about 60 dry weight percent collagen.

Claim 3 (original): The composite matrix of claim 1 wherein the second layer has at least about 85 dry weight percent collagen.

Claim 4 (original): The composite matrix of claim 1 wherein the second layer comprises crosslinked collagen.

Claim 5 (original): The composite matrix of claim 1 wherein the second layer comprises intestinal collagen.

Claims 6-7 Canceled.

Claim 8 (currently amended): The composite matrix of ~~claim 7~~ claim 1 wherein the elastic protein comprises elastin.

Claim 9 (original): The composite matrix of claim 1 wherein the first layer has from about 5 to about 95 dry weight percent flexibility modifying agent.

Claim 10 (original): The composite matrix of claim 1 wherein the

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first layer comprises at least about 5 dry weight percent collagen.

Claim 11 (original): The composite matrix of claim 1 wherein the flexibility modifying agent comprises friction reducing macromolecules.

Claims 12-15 Canceled.

Claim 16 (original): The composite matrix of claim 1 wherein the flexibility modifying agent comprises elastic proteins and friction reducing macromolecules.

Claim 17 (original): The composite matrix of claim 1 wherein the second layer has a thickness of at least about 25 microns.

Claim 18 (original): The composite matrix of claim 1 wherein the first layer has a thickness of at least about 25 microns.

Claim 19 (original): The composite matrix of claim 1 wherein the first layer and the second layer each have a thickness from about 75 microns to about 1 millimeter.

Claim 20 (original): The composite matrix of claim 1 wherein the first layer is crosslinked.

Claim 21 (original): The composite matrix of claim 1 wherein the first layer is adjacent the second layer.

Claim 22 (original): The composite matrix of claim 1 further comprising a third layer having at least about 60 dry weight percent collagen wherein the first layer is between the second layer and the third layer.

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Claim 23 (original): The composite matrix of claim 22 wherein the first layer comprises viable cells.

Claim 24 (original): The composite matrix of claim 1 wherein the second layer is folded over a central core of the first layer.

Claim 25 (original): The composite matrix of claim 1 wherein the second layer comprises growth factors.

Claim 26 (original): The composite matrix of claim 1 wherein the second layer comprises attachment compounds for fibroblast precursor cells or for vascular endothelial precursor cells.

Claim 27 (original): The composite matrix of claim 1 further comprising viable cells.

Claims 28-40 Canceled.